



Atty. Dkt. No. 047297-0138

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Zhonghua ZHOU et al.

Title: TITANIUM DIOXIDE FINE PARTICLES AND METHOD FOR PRODUCING THE SAME, AND METHOD FOR PRODUCING VISIBLE LIGHT ACTIVATABLE PHOTOCATALYST

Appl. No.: 10/663,769

Filing Date: 09/17/2003

Examiner: Unassigned

Art Unit: 1773

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56

Mail Stop AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56.

A copy of each non-U.S. patent document and each non-patent document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(b), before the mailing date of the first Office Action on the merits.

RELEVANCE OF EACH DOCUMENT

The foregoing documents came to Applicants' attention during a search of the corresponding European application. A copy of the European Search Report setting forth the portion of each reference considered relevant by the examiner is attached.

Applicants respectfully request that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

Date FFB 22 2005

By _____

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Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: FEB 22 2005 (use as many sheets as necessary)				Complete if Known	
Sheet	1	of	1	Application Number	10/663,769
				Filing Date	09/17/2003
				First Named Inventor	Zhonghua ZHOU
				Group Art Unit	1773
				Examiner Name	Unassigned
				Attorney Docket Number	047297-0138

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
C1	4,668,501			SHIBUTA ET AL.	05-26-1987	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
C2	EP	1 205 244		A1	KABUSHIKI KAISHA TOYOTA CHUO KENKYUSHO	05-15-2002		
C3	WO	02/38272		A1	NEOMAT S.A.	05-16-2002		
C4	EP	0 997 191		A1	ECODEVICE LABORATORY CO., LTD.	05-03-2000		
C5	EP	0 870 530		A1	NIPPON SHEET GLASS CO., LTD.	10-14-1998		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
C6		Patent Abstracts of Japan, Vol. 2000, No. 01, 31 January 2000, JP 11-292537, 26 October 1999.	
C7		Patent Abstracts of Japan, Vol. 2000, No. 03, 30 March 2000, JP 11-333300, 7 December 1999.	
C8		C. Lettmann et al., "Visible light photodegradation of 4-chlorophenol with a coke-containing titanium dioxide photocatalyst", Applied Catalysis B: Environmental , Vol. 32, 2001, pages 215-227.	

Examiner Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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